

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer system to invoke multiple executions of an analytical task and provide an analytical output in response, ~~wherein the computer system is programmed to comprising:~~

a first analytical engine;

a second analytical engine; and

a processing module, programmed to:

receive a request for analytical information from a front-end software application, the analytical information to indicate a likelihood of an event occurrence with regard to an identified entity, the analytical information to be determined using any of multiple information values ~~that are to be identified as~~ associated with the identified entity;

receive ~~use the request to identify~~ at least one first information value of the multiple information values;

invoke a first execution of the analytical task by providing the at least one first information value to ~~[[a]]~~ the first analytical engine, wherein at least one second information value of the multiple information values has not yet been received by the processing module ~~has not yet been identified~~ when the first execution is invoked;

receive ~~identify, using the request,~~ the at least one second information value after invoking the first execution;

invoke a second execution of the analytical task by providing the at least one first and the at least one second information values to ~~[[a]]~~ the second analytical engine; and

provide an output to the front-end software application in response to the request, the output indicating the likelihood of the event occurrence determined using a result from at least one of the first and second executions of the analytical task.

2. (Currently Amended) The computer system of claim 1, wherein the first analytical engine and the second analytical engine are located externally from the processing module ~~computer system~~.
3. (Original) The computer system of claim 1, wherein the first analytical engine and the second analytical engine are the same analytical engine.
4. (Previously Presented) The computer system of claim 1, wherein the request includes the first information value.
5. (Canceled).
6. (Currently Amended) The computer system of claim 1, wherein the processing module ~~computer system~~ is programmed to obtain the at least one first information value by invoking an execution of an additional analytical task.
7. (Currently Amended) The computer system of claim 1, wherein the processing module ~~computer system~~ is programmed to obtain the at least one second information value by invoking an execution of an additional analytical task.
8. (Currently Amended) The computer system of claim 1, wherein the processing module ~~computer system~~ is programmed to obtain the at least one second information value from an additional request that is received from the front-end software application.

9. (Original) The computer system of claim 1, wherein the analytical task is a prediction task, and wherein the first and second analytical engines are prediction engines.

10. (Currently Amended) The computer system of claim 9, wherein the processing module ~~computer system~~ is programmed to use the request to identify the first and second prediction engines.

11. (Currently Amended) The computer system of claim 10, wherein the processing module ~~computer system~~ is programmed to:

invoke the first execution of the prediction task on the first prediction engine by providing the at least one first information value as input into a first data mining model; and

invoke the second execution of the prediction task on the second prediction engine by providing the at least one first information value and the at least one second information value as input into a second data mining model.

12. (Original) The computer system of claim 11, wherein the first and second data mining models are a common data mining model, and wherein the first and second data mining models are used by the first and second prediction engines during task execution.

13. (Currently Amended) The computer system of claim 1, wherein the processing module ~~computer system~~ is programmed to automatically send output information generated from the first execution of the analytical task back to the front-end software application.

14. (Currently Amended) The computer system of claim 1, wherein the processing module ~~computer system~~ is programmed to automatically send output information generated from the second execution of the analytical task back to the front-end software application.

15. (Currently Amended) A computer-implemented method to invoke multiple executions of an analytical task and provide an output in response, the method comprising:

receiving a request for analytical information from a front-end software application, the analytical information to indicate a likelihood of an event occurrence with regard to an identified entity, the analytical information to be determined using any of multiple information values ~~that are to be identified~~ as associated with the identified entity;

receiving ~~using the request to identify~~ at least one first information value of the multiple information values;

invoking a first execution of the analytical task by providing the at least one first information value to a first analytical engine, wherein at least one second information value of the multiple information values has not yet been received ~~identified~~ when the first execution is invoked;

receiving ~~identifying, using the request,~~ the at least one second information value after invoking the first execution;

invoking a second execution of the analytical task by providing the at least one first and the at least one second information values to a second analytical engine; and

providing an output to the front-end software application in response to the request, the output indicating the likelihood of the event occurrence determined using a result from at least one of the first and second executions of the analytical task.

16-24. (Canceled).

25. (Currently Amended) A computer-readable medium having computer-executable instructions contained therein to perform a method, the method comprising:

receiving a request for analytical information from a front-end software application, the analytical information to indicate a likelihood of an event occurrence with regard to an identified entity, the analytical information to be determined using any of multiple information values ~~that are to be identified~~ as associated with the identified entity;

receiving ~~using the request to identify~~ at least one first information value of the multiple information values;

invoking a first execution of the analytical task by providing the at least one first information value to a first analytical engine, wherein at least one second information value of the multiple information values has not yet been received ~~identified~~ when the first execution is invoked;

receiving ~~identifying, using the request,~~ the at least one second information value after invoking the first execution;

invoking a second execution of the analytical task by providing the at least one first and the at least one second information values to a second analytical engine; and

providing an output to the front-end software application in response to the request, the output indicating the likelihood of the event occurrence determined using a result from at least one of the first and second executions of the analytical task.

26. (Canceled).

27. (New) The computer system of claim 1, wherein the second execution of the analytical task is invoked before the first execution of the analytical task finishes.